

Department of Health and Human Services

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action

MAY 24 2002

Follow instructions carefully

Do not exceed character length restrictions indicated on sample.

* PI: FISHEL, RICHARD

Council: 01/2003

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Dual:

IRG: ZCA1 SRC(99)

Received: 05/24/2002

1. TITLE OF PROJECT (Do not exceed 56 characters, including spaces and punctuation.)

TRAINING PROGRAM IN CANCER PHARMACOLOGY2. RESPONSE TO SPECIFIC REQUEST FOR APPLICATIONS OR PROGRAM ANNOUNCEMENT ☒ NO ☐ YES (If "Yes," state number and title)

Number:

Title:

3. PRINCIPAL INVESTIGATOR/PROGRAM DIRECTOR

New Investigator ☐ Yes

3a. NAME (Last, first, middle)

Fishel, Richard

3b. DEGREE(S)

Ph.D.

3d. POSITION TITLE

Professor

3e. MAILING ADDRESS (Street, city, state, zip code)

Thomas Jefferson University

Kimmel Cancer Institute

Bluemle Life Sciences Building

233 S. 10th Street, Room 933A

Philadelphia, PA 19107

E-MAIL ADDRESS: RFishel@lac.jci.tju.edu

3f. DEPARTMENT, SERVICE, LABORATORY, OR EQUIVALENT

Microbiology/Immunology

3g. MAJOR SUBDIVISION

Kimmel Cancer Center

3h. TELEPHONE AND FAX (Area code, number and extension)

TEL: (215) 503-1345

FAX: (215) 503-6739

4. HUMAN SUBJECTS RESEARCH

☐ No
☒ Yes4a. Research Exempt ☐ NO ☐ YES

If "Yes," Exemption no. Indefinite

4b. Human Subject Assurance

No. FWA00002109

4c. NIH-defined Phase

III Clinical Trial

☒ No ☐ Yes5. VERTEBRATE ANIMALS ☐ NO ☒ YES5a. If "Yes", IACUC approval date
Indefinite5b. Animal welfare assurance no.
A3085-01

6. DATES OF PROPOSED PERIOD OF SUPPORT (month, day, year—MM/DD/YY)

From

04/01/03

Through

03/31/08

7. COSTS REQUESTED FOR INITIAL BUDGET PERIOD

7a. Direct Costs (\$)

289,638

7b. Total Costs (\$)

306,067

8. COSTS REQUESTED FOR PROPOSED PERIOD OF SUPPORT

8a. Direct Costs (\$)

1,485,892

8b. Total Costs (\$)

1,568,246

9. APPLICANT ORGANIZATION

Name Thomas Jefferson University

Address Jefferson Medical College

1020 Locust Street, M-5,

Philadelphia, PA 19107

10. TYPE OF ORGANIZATION

Public: → ☐ Federal ☐ State ☐ LocalPrivate: → ☒ Private NonprofitFor profit: ☐ General ☐ Small Business

11. ORGANIZATIONAL COMPONENT CODE 01

12. ENTITY IDENTIFICATION NUMBER Congressional District

231352651

DUNS NO. (if available)

053284659

01

13. ADMINISTRATIVE OFFICIAL TO BE NOTIFIED IF AWARD IS MADE

Name Karen Logan

Title Senior Grants Administrator

Address Jefferson Alumni Hall

1020 Locust Street, Room M-5

Philadelphia, PA 19107

Telephone (215) 503-6976

FAX (215) 503-2365

E-Mail Address Karen.Logan@mail.tju.edu

14. OFFICIAL SIGNING FOR APPLICATION ORGANIZATION

Name Alice A. Tangredi-Hannon

Title Director, Office of Research Administration

Address Thomas Jefferson University

Jefferson Medical College

1020 Locust Street, M-5

Philadelphia, PA 19107

Telephone (215) 503-6976

FAX (215) 503-2365

E-Mail Address resadmin@jefferson.tju.edu

15. PRINCIPAL INVESTIGATOR/PROGRAM DIRECTOR ASSURANCE:

I certify that the statements herein are true, complete and accurate to the best of my knowledge. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. I agree to accept responsibility for the scientific conduct of the project and to provide the required progress reports if a grant is awarded as a result of this application.

SIGNATURE OF PI/PD NAMED IN 3a. (In ink.
"Per" signature not acceptable.)

DATE

5/24/02

16. APPLICATION ORGANIZATION CERTIFICATION AND ACCEPTANCE:

I certify that the statements herein are true, complete and accurate to the best of my knowledge, and accept the obligation to comply with Public Health Service terms and conditions if a grant is awarded as a result of this application. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties.

SIGNATURE OF OFFICIAL NAMED IN 14. (In ink.
"Per" signature not acceptable.)

DATE

5/24/02

DESCRIPTION: State the application's broad, long-term objectives and specific aims, making reference to the health relatedness of the project. Describe concisely the research design and methods for achieving these goals. Avoid summaries of past accomplishments and the use of the first person. This abstract is meant to serve as a succinct and accurate description of the proposed work when separated from the application. If the application is funded, this description, as is, will become public information. Therefore, do not include proprietary/confidential information. **DO NOT EXCEED THE SPACE PROVIDED.**

The recent advances in genomics and molecular genetics have expanded our understanding of the etiology and pathogenesis of cancer. The Training Program in Cancer Pharmacology at The Kimmel Cancer Center was established to provide a broad understanding of cancer toward a targeted pharmacology approach to clinical therapeutics. The KCC offers a Ph.D. degree in Molecular Pharmacology and Structural Biology where a core of pre- and post-doctoral support is provided by the Cancer Pharmacology Training program. Research training, primarily by the student's Mentor with the active participation of the Research Advisory Committee, integrates a diverse blend of research faculty involved in various disciplines focused on fundamental cancer research. The goal of the program is to provide aspiring researchers with the training and experience necessary for them to establish careers as independent investigators in cancer pharmacology and cancer-related careers.

Predocotrinal trainees complete a rigorous series of graduate courses giving them a thorough background in pharmacology, genetics, oncology, and cell and molecular biology. Formal curriculum emphasizes the basic sciences of pharmacology, genetics, biochemistry and cell biology followed by more specialized advanced courses. Students also have ample opportunity to present seminars, based on their own work as well as those in the current literature, to faculty and fellow students. In order for the students to sample the different research topics and laboratory environments available, the students are required to complete a minimum of three laboratory rotations within the first year of matriculation.

The Ph.D. program is available to students who hold a bachelor degree from an accredited institution who wish to enter biomedical research as well as individuals holding more advanced degrees who wish academic careers as independent scientific investigators. Applicants must have a solid background in biological sciences and previous research experience is desirable although not required. Grade point average, GRE scores, letters of recommendation and an interview are all important criteria that are carefully evaluated for acceptance into the program.

Postdoctoral applicants must hold a Ph.D., M.D., or equivalent doctoral degree and acceptance depends upon past research and educational experience. The goal of this program is to develop highly trained, technically competent research scientists capable of performing and eventually directing research involved in delineating a molecular genetic approach to Cancer Pharmacology.

PERFORMANCE SITE(S) (*organization, city, state*)

Thomas Jefferson University, Philadelphia, PA 19107

KEY PERSONNEL. See instructions on Page 11. Use continuation pages as needed to provide the required information in the format shown below.

Name	Department	Role on Project
Richard Fishel	Microbiology & Immunology	Principal Investigator
Renato Baserga	Microbiology & Immunology	Preceptor
Jeffrey Benovic	Microbiology & Immunology, Biochemistry & Molecular Pharmacology	Preceptor
Charles Brenner	Microbiology & Immunology	Preceptor
Bruno Calabretta	Microbiology & Immunology	Preceptor
Carlo Croce	Microbiology & Immunology	Preceptor
Steven Farber	Microbiology & Immunology	Preceptor
Kay Huebner	Microbiology & Immunology	Preceptor
James Keen	Microbiology & Immunology, Biochemistry & Molecular Pharmacology	Preceptor
Robert Korngold	Microbiology & Immunology	Preceptor
Gerald Litwack	Biochemistry & Molecular Pharmacology	Preceptor
Charles Scott	Microbiology & Immunology	Preceptor
Jay Rothstein	Otolaryngology, Microbiology & Immunology	Preceptor
Philip Tschlis	Microbiology & Immunology	Preceptor
Scott Waldman	Medicine (Div. of Clinical Pharm), Biochemistry & Molecular Pharm	Preceptor
Albert Wong	Microbiology & Immunology, Biochemistry & Molecular Pharmacology	Preceptor

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